

Europass Curriculum Vitae

Personal information



First name(s) / Names(s) **Mujdat Soyturk, PhD.**

Address(es) Marmara University, Department of Computer Engineering, Goztepe Campus, 34722 / Kadıköy - İstanbul

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E-mail mujdat.soyturk@marmara.edu.tr

Nationality Turkish Republic

Date of birth

Gender Male

Occupational field

Assistant Professor in Department of Computer Engineering

Work experience

Dates 20 November 2012 – ...

Occupation or position held Assistant Professor

Main activities and responsibilities Department of Computer Engineering

Name and address of employer Marmara University, Goztepe, 34722 Istanbul

Type of business or sector University

Dates 18 August 2008 – 19 April 2012

Occupation or position held Assistant Professor

Main activities and responsibilities Department of Computer Engineering

Name and address of employer Turkish Naval Academy, Tuzla, 34942 Istanbul

Type of business or sector University

Dates 31 July 2006 - 18 August 2008

Occupation or position held Data Center Manager – System Administrator

Main activities and responsibilities System Administrator

Name and address of employer Inventory Control Center, Golcuk, Kocaeli

Type of business or sector Government

Dates 29 June 2002 - 30 July 2006

Occupation or position held Instructor - Lecturer

Main activities and responsibilities Instructor - Lecturer in Department of Computer Engineering

Name and address of employer Turkish Naval Academy, Tuzla, 34942 Istanbul

Type of business or sector University

Dates	21 October 1999 – 28 June 2002
Main activities and responsibilities	Student in Computer Engineering Graduate Program
Name and address of employer	Istanbul Technical University
Type of business or sector	University

Dates	01 September 1999 – 20 October 1999
Occupation or position held	Network and System Administrator
Main activities and responsibilities	Database, System and Network Administrator of the Department
Name and address of employer	Department of Navigation, Hydrography and Oceanography
Type of business or sector	Government

Dates	10 October 1998 – 31 August 1999
Occupation or position held	Certificate Program in B.Sc. Degree in Computer Engineering in Bogazici University
Main activities and responsibilities	Certificate Program in B.Sc. Degree in Computer Engineering
Name and address of employer	Bogazici University and Turkish Navy
Type of business or sector	University

Dates	12 12 September 1994 – 9 October 1998
Occupation or position held	Commander, Executive Officer , and Communication Officer in Naval Ships
Main activities and responsibilities	Commander, Executive Officer , and Communication Officer
Name and address of employer	Turkish Navy
Type of business or sector	Military

Education and training

Dates	27 December 2008 – 22 June 2009
Occupation or position held	Visiting Professor, Researcher
Principal subjects/occupational skills covered	Network Architectures and Communications Systems, Command, Control, Computer, Communications and Intelligence (C4I) Program.
Name and type of organization providing education and training	Department of Information Systems, Naval Postgraduate School (NPS), Monterey, California, U.S.A.

Dates	1 October 2002 – 4 July 2007
Occupation or position held	Ph.D.
Principal subjects/occupational skills covered	Design and Analysis of Wireless and Mobile Communication Architectures, Wireless and Mobile Networks, Routing Protocols
Name and type of organization providing education and training	Department of Computer Engineering, Faculty of Electrical Engineering, Istanbul Technical University 34840 Istanbul

Dates	21 October 1999 – 28 June 2002
Occupation or position held	M.Sc.
Principal subjects/occupational skills covered	Design and Implementation of Wireless and Mobile Network Protocols, Routing Protocols
Name and type of organization providing education and training	Department of Computer Engineering, Faculty of Electrical Engineering, Istanbul Technical University 34840 Istanbul

Dates	2 November 1998 – 31 August 1999
Occupation or position held	Certificate Program (B.Sc. degree equivalent)
Principal subjects/occupational skills covered	B.Sc. Degree in Department of Computer Engineering
Name and type of organization providing education and training	Department of Computer Engineering, Boğaziçi University 34342 Istanbul

Dates 1 September 1990 – 30 August 1994

Occupation or position held B.Sc. Student

Principal subjects/occupational skills covered B.Sc. Degree in Industrial Engineering

Name and type of organization providing education and training Turkish Naval Academy, Tuzla, 34942 Istanbul

Other language(s)

Self-assessment
European level (*)
English language

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user

(*) Common European Framework of Reference - CEF

Courses, certificates

- 01 - 30 August 2008, Learning and Teaching Skills (Pedagogical)
- 14 April – 18 April 2008 Network Administration for the Solaris Operating System
- 7 April – 11 April 2008 Advanced System Administration for the Solaris Operating System
- 31 March – 4 April 2008 Intermediate System Administration for the Solaris Operating System
- 2007 Technology Management
- 2 November 1998 – 31 August 1999 Certificate of B.Sc. Degree equivalent in Department of Computer Engineering in Bogazici University

Research Areas

- Wireless and Mobile Networks.
- Sensor & Ad Hoc Networks
- Vehicular Ad Hoc Networks (VANET)
- Real-Time Systems
- C4I Systems (Command, Control, Communications, Computers, and Intelligence)

Thesis

- Ph.D. A Novel Communication Approach for Wireless Mobile Smart Objects, July 2007, Dept. of Computer Engineering, I.T.U.
- M.Sc. Virtual Cell Layout Based Dynamic Source Routing (VB-DSR) for The Mobile Subsystem of the Next Generation Tactical Communications Systems, May 2002, Dept. of Computer Engineering, I.T.U.

Thesis Supervised

- “Distributed Clustering Approach for Wireless Sensor Networks in UAV Integrated Heterogeneous Architectures”, Hüseyin Okcu, Naval Science and Engineering Institute, 2012.
- “Enabling Delay Tolerant Communications in Sparse Vehicular Networks”, Kadri Kaan Sevimli, Naval Science and Engineering Institute, 2010.

- Kadri Kaan Sevimli, Mujdat Soyuturk. "Enabling Delay-Tolerant Communications for Partially Connected Vehicular Ad Hoc Networks", International Journal of Ad Hoc and Ubiquitous Computing, (2012), Vol.11, No.2/3, pp.157 – 168, doi:10.1504/IJAHUC.2012.050264 (SCIE Indexed).
- Mujdat Soyuturk, Turgay Altılar. "SWR: Smartness provided by simple, efficient and self-adaptive algorithm", International Journal of Distributed Sensor Networks, ISSN: 1550-1329, Volume 2012 (2012), Article ID 289683, doi:10.1155/2012/289683 (SCIE Indexed).
- Kadri Kaan Sevimli, Mujdat Soyuturk. "Lifetime Determination for Delay Tolerant Communications in Sparse Vehicular Networks", IEEE International Symposium on Wireless and Pervasive Computing, ISWPC'10, Italy, May 2010.
- Kadri Kaan Sevimli, Mujdat Soyuturk. "Düşük Yoğunluklu Araçsal Ağlarda Zaman Gecikmeli Veri İletişimi", IEEE Signal Processing and Communications Applications Conference, SIU-2010, Turkey, April 2010.
- Kadri Kaan Sevimli, Mujdat Soyuturk. "Araçsal Ağlar", Akademik Bilişim 2010 Konferansı, AB'10, Turkey, February 2010.
- Mujdat Soyuturk, Halil Cicibas and Omer Unal. "Real-Time Data Acquisition in Wireless Sensor Networks", Book Chapter in "Data Acquisition", (Ed.) Michele Vadursi, in the series "Computer and Information Science ", ISBN: 978-953-307-193-0, InTech, 2010, doi: 10.5772/10457. (Downloaded 6880 times between November 2010 - September 12, 2012)
- Mujdat Soyuturk. "Evaluation Of Canonical Algorithms And Adaptive Algorithms For Two Known Problems", Journal of Naval Science and Engineering, ISSN:1304-2025, Vol. 5 , No.3, pp. 26-37, Nov. 2009.
- Mujdat Soyuturk, Turgay Altılar. "Source-initiated geographical data flow approach for wireless ad hoc and sensor networks", ITU Journal/d, Engineering, ISSN:1303-703X, Vol. 7 , No.5, pp. 26-33, Oct. 2008.
- Mujdat Soyuturk, Turgay Altılar. "Reliable Real-Time Data Acquisition for Rapidly Deployable Mission-Critical Wireless Sensor Networks", 2nd IEEE Workshop on Mission-Critical Networking, in conjunction with IEEE INFOCOM'2008, Phoenix, AZ, USA, April 2008.
- Mujdat Soyuturk, Turgay Altılar. "Stateless Data Flow Approach with Void Avoidance for Wireless Ad Hoc and Sensor Networks", IEEE International Symposium on Wireless Pervasive Computing, ISWPC'07, ISBN: 1-4244-0523-8, Puerto Rico, February 2007.
- Mujdat Soyuturk, Turgay Altılar. "A Routing Algorithm for Mobile Multiple Sinks in Large-Scale Wireless Sensor Networks", IEEE International Symposium on Wireless Pervasive Computing, ISWPC'07, ISBN: 1-4244-0523-8, Puerto Rico, February 2007.
- Mujdat Soyuturk, Turgay Altılar. "A Novel Stateless Energy-Efficient Routing Algorithm for Large-Scale Wireless Sensor Networks with Multiple Sinks", IEEE WAMICON'06, ISBN: 1-4244-0849-0, Florida, U.S.A., December 2006.
- Mujdat Soyuturk, Turgay Altılar. "Source-Initiated Geographical Data Flow for Wireless Ad Hoc and Sensor Networks", IEEE WAMICON'06, ISBN: 1-4244-0849-0, Florida, U.S.A., December 2006.
- Mujdat Soyuturk, Turgay Altılar. "Challenges And Approaches For Geographic Routing Protocols in Wireless Sensor Networks", IEEE TEHOSS, Oct. (2006).
- Ender Yuksel, Mujdat Soyuturk, Tolga Ovatman, Bulent Orencik, "Telsiz Yerel Alan Ağlarında Güvenlik Sorunu", Ağ ve Bilgi Güvenliği Ulusal Semp. (ABG 2005), İstanbul, 9-11 Haziran, 2005, s. 23-30.
- Mujdat Soyuturk, Erdal Cayirci, A. Emre Harmanci. "Virtual Cell Layout Based Dynamic Source Routing Algorithm for the Mobile Subsystem of the Next Generation Tactical Communications Systems", IEEE MILCOM 2002, California, U.S.A., Oct. 2002, ISBN: 0-7803-7625-0, pp. 541-545.
- Mujdat Soyuturk, A. Emre Harmanci, Erdal Cayirci. "Gezgin Ad Hoc Ağlar ve Yol Atama", Bilişim Zirvesi '01, İstanbul, 4-7 September 2001.

Organizational skills and competences

- Editorial Board Member of *KSII Transactions on Internet and Information Systems* (SCIE) 2013-
- Member of The Institute Board of Naval Science and Engineering Institute 2008 - 2011
- Member of Editorial Board of Journal of Naval Science and Engineering 2008 - 2012
- Chair, Organizing Committee Member, and Technical Committee Member of a number of conferences given below:

<i>IEEE MIC-CCA'2012, International Conference on Communications, Computers and Applications</i>	Co-Chair/ Local Chair
<i>MIC-CCA'2013, International Conference on Communications, Computers and Applications</i>	Co-Chair/ Local Chair
<i>MIC-CSN'2013, International Conference on Cognitive and Sensor Networks</i>	Track Chair
<i>VTC'2013-Fall, 2013 IEEE 78th Vehicular Technology Conference</i>	TPC Member
<i>VTC'2013-Spring, 2013 IEEE 77th Vehicular Technology Conference</i>	TPC Member
<i>WiMob'2013, IEEE International Conference on Wireless and Mobile Computing, Networking and Communications</i>	TPC Member
<i>IEEE CCNC'2013, IEEE Consumer Communications and Networking Conference, Smart Spaces and Sensor Networks</i>	TPC Member
<i>MIC-CNIT'2012, International Conference on Communications, Networking and Information Technology</i>	TPC Member
<i>ICNFI'2012, International Conference on Networking and Future Internet</i>	TPC Member
<i>LCN'2012, IEEE Conference on Local Computer Networks</i>	TPC Member
<i>WiMob'2012, IEEE International Conference on Wireless and Mobile Computing, Networking and Communications</i>	TPC Member
<i>IET'2012, International Workshop on Integrated Enabling Technologies (IET'12), in conjunction with Int. Conf. on Mobile, Ubiquitous and Intelligent Computing</i>	TPC Member
<i>NTMS'2012 – Wireless and Mobility Track, IFIP International Conference on New Technologies, Mobility and Security</i>	TPC Member
<i>MIC-WCMC'2012, International Conference on Wireless Communications and Mobile Computing</i>	TPC Member
<i>WiMob'2011, IEEE International Conference on Wireless and Mobile Computing, Networking and Communications</i>	TPC Member
<i>MIC-CCA'2011, International Conference on Communications, Computers and Applications</i>	Co-Chair/ Local Chair
<i>IWCMC'2011-Vehicular Communications, IEEE International Wireless Communications and Mobile Computing Conference</i>	TPC Member
<i>NTMS'2011 - Mobility Track, IFIP International Conference on New Technologies, Mobility and Security</i>	TPC Member
<i>VTC'2011-Spring, 2011 IEEE 73rd Vehicular Technology Conference</i>	TPC Member
<i>MIC-WCMC'2011, International Conference on Wireless Communications and Mobile Computing</i>	TPC Member
<i>WiMob'2010, IEEE International Conference on Wireless and Mobile Computing, Networking and Communications</i>	TPC Member
<i>WiMob'2009, IEEE International Conference on Wireless and Mobile Computing, Networking and Communications</i>	TPC Member
<i>WiMob'2008, IEEE International Conference on Wireless and Mobile Computing, Networking and Communications</i>	TPC Member
<i>M-SISP'2007, International Conference on Signal, Image and Speech Processing</i>	TPC Member
<i>IEEE TEHOSS 2006, IEEE International Conference on Technologies for Homeland Security and Safety</i>	Organizing Committee

Other academic activities

2012 – Co-Chair of the conference MIC-CCA 2012 (International Conference on Communications, Computers and Applications).

2010 – Invitation for chapter publication of the book “Data Acquisition”

2008 – 2009 Visiting Professor at Command, Control, Computer, Communications and Intelligence (C4I) Program, Department of Information Systems, Naval Postgraduate School (NPS), Monterey, California, U.S.A., in the area of Network Architectures and Communications Systems.

2001 – 2012 Participating a number of international conferences.

Editorial Board Member of Journals:

- *KSII Transactions on Internet and Information Systems*, indexed in **SCIE (Thomson Reuters)** and **SCOPUS (Elsevier)**

Guest Editor of the following Journals:

- *Turkish Journal of Electrical Engineering & Computer Sciences*, 2012
- *International Journal of Electronic Transport, Inderscience*, Special Issue on “Wireless Technologies to Support Vehicular Communications”, 2012

Referee of the following Journals (SCI):

- *KSII Transactions on Internet and Information Systems*, 2013
- *IEEE Communications Magazine*, 2012
- *Ad Hoc Networks*, Elsevier, 2012
- *IEEE Communications Letters*, 2012
- *Simulation: Transactions of the Society for Modeling and Simulation International*, 2012
- *International Journal of Distributed Sensor Networks*, Hindawi, 2012
- *Computer Communications*, Elsevier, 2012
- *IEEE Transactions on Parallel and Distributed Systems*, 2012
- *International Journal of Ad Hoc and Ubiquitous Computing (IJAHUC)*, 2012
- *TJEECS - Turkish Journal of Electrical Engineering & Computer Sciences*, 2012
- *Wireless Communications and Mobile Computing*, Wiley, 2011
- *International Journal of Distributed Sensor Networks*, Hindawi, 2011
- *KSII Transactions on Internet and Information Systems*, 2011
- *TJEECS - Turkish Journal of Electrical Engineering & Computer Sciences*, 2011
- *IEEE Journal on Selected Areas in Communications*, JSAC, 2009
- *IEEE Communications Magazine*, 2008
- *IEEE Communications Magazine*, 2007
- *IEEE Communications Magazine*, 2006
- *ACM/Kluwer Journal on Mobile Networks and Applications (MONET)*, 2004

Other academic activities

Referee of manuscript submissions for:

- *WiMob'2012, IEEE International Conference on Wireless and Mobile Computing, Networking and Communications*
- *LCN 2012, IEEE Conference on Local Computer Networks*
- *ISWTA 2012, IEEE Symposium on Wireless Technology & Applications*
- *NTMS 2012 - IFIP International Conference on New Technologies, Mobility and Security*
- *VTC 2012-Spring, The 2012 IEEE 75th Vehicular Technology Conference*
- *ISCI 2012, IEEE Symposium on Computers & Informatics*
- *BEIAC 2012, IEEE Business Engineering and Industrial Applications Colloquium*
- *SCORED 2011, IEEE Student Conference on Research and Development*
- *RFM 2011, IEEE International RF and Microwave Conference*
- *ICSIPA 2011, IEEE International Conference on Signal and Image Processing Applications*
- *VTC 2011-Spring, The 2011 IEEE 73rd Vehicular Technology Conference*
- *IWCMC 2011, Vehicular Comm. International Wireless Comm. and Mobile Computing Conf.*
- *WiMob'2011, International Conf. on Wireless and Mobile Computing, Networking and Communications*
- *ISIEA 2011, IEEE Symposium on Industrial Electronics & Applications*
- *ICCAIE 2011, IEEE Conference on Computer Applications & Industrial Electronics*
- *ICOS 2011, IEEE Conference on Open Systems*
- *NTMS'2011 - IFIP International Conference on New Technologies, Mobility and Security*
- *MIC-WCMC'2011, International Conf. on Wireless Communications and Mobile Computing*
- *MIC-CCA'2011, International Conference on Communications, Computers and Applications*
- *ISWTA 2011, IEEE Symposium on Wireless Technology Applications*
- *IWCMC 2011-Invited, International Wireless Communications and Mobile Computing Conf.*
- *ISCI 2011, IEEE Symposium on Computers and Informatics*
- *WiMob'2010, International Conf. on Wireless and Mobile Computing, Networking and Communications*
- *MILCOM'10, IEEE Military Communications*
- *ICCAIE 2010, IEEE Conference on Computer Applications & Industrial Electronics*
- *MCECN 2010, Workshop on Mobile Computing and Emerging Communication Networks, in conjunction with the IEEE Global Communications Conference (GLOBECOM 2010)*
- *ICOS 2010, IEEE Conference on Open Systems*
- *ICCAIE 2010, International Conference on Computer Applications & Industrial Electronics*

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Other academic activities

Referee of manuscript submissions for:

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- *WiMob'2009, International Conf. on Wireless and Mobile Computing, Networking and Communications*
- *MILCOM'09, IEEE Military Communications*
- *Special Track - WiMob'2009, IEEE International Conference on Wireless and Mobile Computing, Networking and Communications*
- *INFOCOM 2008, Mission Critical Networks*
- *WiMob'2008, International Conf. on Wireless and Mobile Computing, Networking and Communications*
- *WCNC'2007, IEEE Wireless Communications and Networking Conference 2007 – Networking*
- *SECON 2006, IEEE Conference on Sensor, Mesh and Ad Hoc Communications and Networks*
- *INFOCOM'06*
- *IEEE TEHOSS 2006, IEEE Int. Conf. on Technologies for Homeland Security and Safety*
- *MCWC 2006, IEEE Mobile Computing and Wireless Communication International Conference*
- *INFOCOM'04*
- *COMNET 2004, Conference on Information & Communication Technology*
- *ICC'03, IEEE International Conference on Communications*

Memberships

- IEEE Membership (Member ID: 80663126)
- IEEE Communications Society Membership
- IEEE Computer Society Membership
- IEEE Reliability Society Membership

Computer skills and competences

Advanced programming in a number of programming languages, Solaris/Linux system administrator, professional knowledge on network architectures and protocols.

Graduate Courses

- Design and Analysis of TCP/IP Networks, *Gebze Institute of Technology*
 - 2011 Spring
- Advanced Architectures and Protocols in Computer Networks, *Naval Science and Engineering Institute*
 - 2012 Fall,
 - 2011 Fall,
 - 2010 Fall,
 - 2009 Fall
- Design and Analysis of Computer Communication Networks, *Naval Science and Engineering Institute*
 - 2011 Spring,
 - 2010 Spring
- Introduction to Decision Support Systems, *Naval Science and Engineering Institute*
 - 2010 Summer
- Introduction to C4I (Command, Control, Computer, Communications and Intelligence) Systems, *Naval Science and Engineering Institute*
 - 2011 Summer

Undergraduate Courses

- Wireless and Mobile Networks, Marmara University
 - 2012-2013 Spring,
- Probability and Statistics, Marmara University
 - 2012-2013 Spring,
- Computer Networks, Turkish Naval Academy
 - 2010-2011 Spring,
 - 2009-2010 Spring,
 - 2005-2006 Spring,
 - 2004-2005 Spring,
 - 2003-2004 Spring,
 - 2002-2003 Spring
- Introduction to Computer Networks, Turkish Naval Academy
 - 2009-2010 Fall,
 - 2008-2009 Fall,
 - 2005-2006 Fall,
 - 2004-2005 Fall
- Internet Technologies – Web Programming, Turkish Naval Academy
 - 2011-2012 Fall,
 - 2010-2011 Fall,
 - 2009-2010 Fall
- Operating Systems, Turkish Naval Academy
 - 2011-2012 Fall,
 - 2010-2011 Fall,
 - 2009-2010 Fall,
 - 2008-2009 Fall,
 - 2002-2003 Spring
- Distributed Systems, Turkish Naval Academy
 - 2009-2010 Spring
- Cryptography, Turkish Naval Academy
 - 2005-2006 Fall,
 - 2004-2005 Fall
- Network Security, Turkish Naval Academy
 - 2004-2005 Fall,
 - 2002-2003 Spring
- Software Engineering, Turkish Naval Academy
 - 2003-2004 Fall

Courses Given (continue of the previous page)

- Data Structures and Algorithms, Turkish Naval Academy
 - 2005-2006 Spring,
 - 2003-2004 Spring,
 - 2002-2003 Spring
- Programming Languages, Turkish Naval Academy
 - 2003-2004 Spring
- Discrete Mathematics, Turkish Naval Academy
 - 2002-2003 Fall
- Intermediate/Advanced Programming, Turkish Naval Academy
 - 2003-2004 Fall
- C Programming, Turkish Naval Academy
 - 2010-2011 Spring,
 - 2005-2006 Spring,
 - 2004-2005 Spring
- Project, Turkish Naval Academy
 - 2010-2011 Spring – Fall,
 - 2009-2010 Spring – Fall,
 - 2005-2006 Spring,
 - 2004-2005 Spring,
 - 2003-2004 Spring,
 - 2002-2003 Spring

Projects

- 2011 – 2012 Project manager of the General Purpose Research Laboratory for Turkish Naval Academy and Naval Science and Engineering Institute
- 2010 - 2011 Project manager of Autonomous Control of Unmanned Sea Surface Vehicle (USSV)
- 2007 - 2008 Project manager of Backup and Recovery System for Data Centre of Turkish Navy and Inventory Control Centre.
- 2006 - 2008 Re-design and Deployment of Data Center in Inventory Control Centre.
- 2006 - 2008 Deployment of Gigabit (Singlemode) F/O Network within Golcuk Base
- 2006 - 2008 Deployment of F/O and MobileIP Access Network for Naval Warships within Golcuk Base
- 2006 - 2008 Setup of Satellite Network Access for Frigates within Golcuk Base
- 2006 - 2007 Project manager of Disaster Recovery and Business Continuity Project for Data Centre of Turkish Navy and Inventory Control Centre (deployment of a new hot site and replication of servers and databases which are available 7x24)

Social skills and competences

Team work, fast adaptability, good communication, and entrepreneur.

Other activities

Wooden ship modeling

Driving license

Category B